

Mithun Rudrapal

List of Publications by Year in descending order

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73
papers

1,695
citations

361413

20
h-index

377865

34
g-index

80
all docs

80
docs citations

80
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Polyphenols and Their Role in Oxidative Stress-Induced Human Diseases: Insights Into Protective Effects, Antioxidant Potentials and Mechanism(s) of Action. <i>Frontiers in Pharmacology</i> , 2022, 13, 806470.	3.5	215
2	Dietary Flavonoids: Cardioprotective Potential with Antioxidant Effects and Their Pharmacokinetic, Toxicological and Therapeutic Concerns. <i>Molecules</i> , 2021, 26, 4021.	3.8	102
3	Bioactive Compounds Effective Against Type 2 Diabetes Mellitus: A Systematic Review. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 1067-1095.	2.1	82
4	Drug Repurposing (DR): An Emerging Approach in Drug Discovery. , 0, , .		77
5	Potential of capsaicin-loaded transfersomes in arthritic rats. <i>Drug Delivery</i> , 2015, 22, 638-646.	5.7	67
6	Chalcone Scaffolds, Bioprecursors of Flavonoids: Chemistry, Bioactivities, and Pharmacokinetics. <i>Molecules</i> , 2021, 26, 7177.	3.8	64
7	Plant Flavonoids as Potential Source of Future Antimalarial leads. <i>Systematic Reviews in Pharmacy (discontinued)</i> , 2016, 8, 13-18.	0.2	53
8	<i>In silico</i> screening of phytopolyphenolics for the identification of bioactive compounds as novel protease inhibitors effective against SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10437-10453.	3.5	49
9	Toward a treatment of antibacterial and antifungal infections: Design, synthesis and <i>in vitro</i> activity of novel arylhydrazothiazolylsulfonamides analogues and their insight of DFT, docking and molecular dynamic simulations. <i>Journal of Molecular Structure</i> , 2021, 1243, 130862.	3.6	45
10	Endoperoxide antimalarials: development, structural diversity and pharmacodynamic aspects with reference to 1,2,4-trioxane-based structural scaffold. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3575-3590.	4.3	44
11	Repurposing of phytomedicine-derived bioactive compounds with promising anti-SARS-CoV-2 potential: Molecular docking, MD simulation and drug-likeness/ADMET studies. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2432-2446.	3.8	41
12	Coronavirus Disease-2019 (COVID-19): An Updated Review. <i>Drug Research</i> , 2020, 70, 389-400.	1.7	39
13	Identification of bioactive molecules from Triphala (Ayurvedic herbal formulation) as potential inhibitors of SARS-CoV-2 main protease (M _{pro}) through computational investigations. <i>Journal of King Saud University - Science</i> , 2022, 34, 101826.	3.5	39
14	Chemistry and Biological Importance of Heterocyclic Schiff™s Bases. <i>International Research Journal of Pure and Applied Chemistry</i> , 2013, 3, 232-249.	0.2	35
15	Novel series of 1,2,4-trioxane derivatives as antimalarial agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 1159-1173.	5.2	33
16	Topical ethosomal capsaicin attenuates edema and nociception in arthritic rats. <i>Drug Delivery</i> , 2015, 22, 1043-1052.	5.7	31
17	Cerebroprotective effect of Aloe Emodin: <i>In silico</i> and <i>in vivo</i> studies. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 998-1005.	3.8	31
18	Phytocompounds as potential inhibitors of SARS-CoV-2 M _{pro} and PL _{pro} through computational studies. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3456-3465.	3.8	30

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19	Exploration of antioxidant, antidiabetic and hepatoprotective activity of <i>Diplazium esculentum</i> - A wild edible plant from North Eastern India. <i>Future Journal of Pharmaceutical Sciences</i> , 2018, 4, 93-101.	2.8	27
20	Antidiabetic bioactive compounds from <i>Tetrastigma angustifolia</i> (Roxb.) Deb and <i>Oxalis debilis</i> Kunth.: Validation of ethnomedicinal claim by in vitro and in silico studies. <i>South African Journal of Botany</i> , 2021, 143, 164-175.	2.5	27
21	Antidiabetic activity of hydro-alcoholic stem bark extract of <i>Callicarpa arborea</i> Roxb. with antioxidant potential in diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 84-94.	5.6	26
22	Penetration of Tamoxifen Citrate Loaded Ethosomes and Liposomes Across Human Skin: A Comparative Study with Confocal Laser Scanning Microscopy. <i>Current Drug Delivery</i> , 2014, 11, 332-337.	1.6	26
23	Computational Investigations for Identification of Bioactive Molecules from <i>Baccaurea ramiflora</i> and <i>Bergenia ciliata</i> as Inhibitors of SARS-CoV-2 M ^{pro} . <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2459-2487.	2.6	25
24	Design, Synthesis, Molecular Docking, Molecular Dynamics and <i>In Vivo</i> Antimalarial Activity of New Dipeptide-Sulfonamides. <i>ChemistrySelect</i> , 2022, 7, .	1.5	24
25	Antiviral phytochemicals ellagic acid and (+)-sesamin of <i>Bridelia retusa</i> identified as potential inhibitors of SARS-CoV-2 3CL pro using extensive molecular docking, molecular dynamics simulation studies, binding free energy calculations, and bioactivity prediction. <i>Structural Chemistry</i> , 2022, 33, 1445-1465.	2.0	24
26	Silybin phytosome attenuates cerebral ischemia-reperfusion injury in rats by suppressing oxidative stress and reducing inflammatory response: In vivo and in silico approaches. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23073.	3.0	23
27	Synthesis, DFT and <i>In Silico</i> Anti-COVID Evaluation of Novel Tetrazole Analogues. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1941-1956.	2.6	22
28	Synthesis, antimalarial-, and antibacterial activity evaluation of some new 4-aminoquinoline derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 3703-3711.	2.4	21
29	Design, Synthesis, Antimalarial Activity and Docking Study of 7-Chloro-4- (2-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.5	21
30	Synthesis and antibacterial activity of some new hydrazones. <i>Medicinal Chemistry Research</i> , 2013, 22, 2840-2846.	2.4	20
31	Design, molecular docking, drug-likeness, and molecular dynamics studies of 1,2,4-trioxane derivatives as novel <i>Plasmodium falciparum</i> falcipain-2 (FP-2) inhibitors. <i>Biotechnologia</i> , 2021, 102, 257-275.	0.9	19
32	Bioactive Antidiabetic Flavonoids from the Stem Bark of <i>Cordia dichotoma</i> Forst.: Identification, Docking and ADMET Studies. <i>MolBank</i> , 2021, 2021, M1234.	0.5	18
33	Design, Synthesis and Antimalarial Activity of Some New 2-Hydroxy-1,4-naphthoquinone-4-hydroxyaniline Hybrid Mannich Bases. <i>Asian Journal of Chemistry</i> , 2016, 28, 782-788.	0.3	17
34	Perspective Insights to Bio-Nanomaterials for the Treatment of Neurological Disorders. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 724158.	4.1	17
35	Virtual Screening, Molecular Docking and QSAR Studies in Drug Discovery and Development Programme. <i>Journal of Drug Delivery and Therapeutics</i> , 2020, 10, 225-233.	0.5	15
36	Evolution of RNA viruses from SARS to SARS-CoV-2 and diagnostic techniques for COVID-19: a review. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2021, 10, 60.	2.0	15

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37	Newer series of trioxane derivatives as potent antimalarial agents. <i>Medicinal Chemistry Research</i> , 2018, 27, 653-668.	2.4	14
38	Development and Validation of RP-HPLC Method for Simultaneous Estimation of Olmesartan and Hydrochlorothiazide in Tablet Dosage Form. <i>Oriental Journal of Chemistry</i> , 2015, 31, 921-926.	0.3	12
39	Synthesis and Antimalarial Activity of Lawsone Mannich Base Derivatives. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2018, 52, 472-479.	0.6	12
40	Molecular docking and in vivo immunomodulatory activity of <i>Albizia procera</i> bark on doxorubicin induced immunosuppressive rats. <i>Journal of King Saud University - Science</i> , 2022, 34, 101828.	3.5	12
41	Protective Effects of Diets Rich in Polyphenols in Cigarette Smoke (CS)-Induced Oxidative Damages and Associated Health Implications. <i>Antioxidants</i> , 2022, 11, 1217.	5.1	12
42	Anti-Inflammatory and Antioxidant Activities of <i>Cordia Dichotoma</i> Forst. <i>Biomedical and Pharmacology Journal</i> , 2020, 13, 2093-2099.	0.5	11
43	Anti-Diabetic Assessment of the Hydro-Alcoholic Leaf Extracts of the Plant <i>Tetrastigma angustifolia</i> (Roxb.) a traditionally used North-Eastern Indian vegetable. <i>Biomedical and Pharmacology Journal</i> , 2014, 7, 635-644.	0.5	11
44	Synthesis, Antimalarial Activity Evaluation and Drug likeness Study of Some New Quinoline-Lawsone Hybrids. <i>Indian Journal of Pharmaceutical Sciences</i> , 2016, 78, .	1.0	11
45	Design, Synthesis, Drug-Likeness Studies and Bio-Evaluation of Some New Chalconeimines. <i>Pharmaceutical Chemistry Journal</i> , 2019, 53, 814-821.	0.8	10
46	Development and Validation of RP-HPLC Method for Simultaneous Estimation of Minoxidil and Aminexil in Topical Formulation. <i>Asian Journal of Chemistry</i> , 2016, 28, 157-160.	0.3	9
47	Synthesis and Antimalarial Activity Study of Some New Mannich Bases of 7-Chloro-4-Aminoquinoline. <i>Medicinal Chemistry</i> , 2013, 9, 379-383.	1.5	9
48	Synthesis and Antimalarial Activity Evaluation of Some Mannich Bases of Tetraoxane-Phenol Conjugate. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2016, 50, 591-597.	0.6	9
49	Resveratrol and Its Natural Analogues Inhibit RNA Dependant RNA Polymerase (RdRp) of <i>Rhizopus oryzae</i> in Mucormycosis through Computational Investigations. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 4426-4443.	2.6	9
50	New flavonoid with antidiabetic and antioxidant potential from <i>Tetrastigma angustifolia</i> (Roxb.) Deb leaves. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 56, .	1.2	7
51	Chemistry and Biological Importance of Heterocyclic Schiff's Bases. <i>International Research Journal of Pure and Applied Chemistry</i> , 2014, 3, 232-249.	0.2	7
52	Phytochemical and Biological Potential of <i>Cassia tora</i> Linn.. <i>European Journal of Medicinal Plants</i> , 2014, 4, 946-963.	0.5	5
53	Effect of Vanillic Acid in Streptozotocin Induced Diabetic Neuropathy. <i>Asian Journal of Biological and Life Sciences</i> , 2021, 9, 306-312.	0.3	4
54	Extraction of Green Tea Leaves: The use of Different Methods, their Optimization and Comparative Evaluation. <i>Biosciences, Biotechnology Research Asia</i> , 2013, 10, 383-386.	0.5	4

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55	Method Development and Validation of Gemifloxacin in Tablet Dosage Form by RP-HPLC. Journal of Drug Delivery and Therapeutics, 2020, 10, 97-101.	0.5	4
56	Capsicum: Chemistry and Medicinal Properties of Indigenous Indian Varieties. , 2020, , .		3
57	<i>In Vitro</i> Evaluation of the Antimalarial Activity of a Designed Novel Quinuclidine Derivative. Current Science, 2016, 111, 2028.	0.8	3
58	Anti-inflammatory and antioxidant activities of 4-allylpyrocatechol and its derivatives with molecular docking and ADMET investigations. Bulletin of the Karaganda University Chemistry Series, 2022, 105, 50-59.	0.5	3
59	Development and Validation of UV Spectrophotometric and RP-HPLC Methods for the Estimation of Gallic Acid in Herbal Formulation of Amalaki. Asian Journal of Chemistry, 2020, 32, 2469-2474.	0.3	1
60	Standardization and Quality Evaluation of Botanicals with Special Reference to Marker Components. , 2021, , 405-426.		1
61	Synthesis and Evaluation of Heterocyclic Scaffold-Based Styrene Conjugates as New Antibacterial Agents. Anti-Infective Agents, 2014, 12, 198-205.	0.4	1
62	Management, Post-exposure Prophylaxis and Treatment of Dog Bites and Rabies Cases in a Tertiary Care Hospital. Biosciences, Biotechnology Research Asia, 2013, 10, 361-364.	0.5	1
63	QSAR Analysis of 7-Chloro-4-Aminoquinoline Derivatives as Antimalarial Agents. , 2016, 1, 51-54.		1
64	Nanotoxicity. , 2019, , 259-267.		1
65	In vitro and in vivo models used for antimalarial activity: A brief review. Asian Journal of Pharmacy and Pharmacology, 2019, 5, 1251-1255.	0.1	1
66	REVIEW ON QUALITY BY DESIGN (QbD). Asian Journal of Pharmaceutical Education and Research, 2020, 9, 37.	0.1	1
67	Anti-inflammatory activity of Sabicea brevipes Wernharm (Rubiaceae). Pharmacia, 2022, 69, 311-317.	1.2	1
68	Nanotherapeutics of phytoconstituents for parasitic diseases: a short review. , 2022, 1, 1-11.		1
69	Synthesis and Antimicrobial Activity of Some Novel Schiff's Bases of 4-Methyl-2-Thiazolamine. Anti-Infective Agents, 2012, 10, 72-74.	0.4	0
70	Analytical Standardization of Haridra Formulation by UV-Vis Spectrophotometry and RP-HPLC. , 2021, , 427-439.		0
71	Validation of Traditional Claim of Oxalis debilis Kunth: An Ethnomedicinal Plant from Northeastern Region of India. , 2021, , 1007-1017.		0
72	Bioanalysis: methods, techniques, and applications. , 2022, , 1-24.		0

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73	Formulation and Evaluation of Paracetamol Tablets using Coconut Oil as a Binder. Journal of Drug Delivery and Therapeutics, 2022, 12, 4-7.	0.5	0